

2818



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PTO/SB/21 (08-00)

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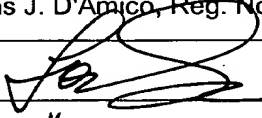
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/921,518	Conf.#6082
	Filing Date	August 1, 2001	
	First Named Inventor	John T. Moore	
	Group Art Unit	2818	
	Examiner Name	P. Dang	
Total Number of Pages in This Submission		Attorney Docket Number	M4065.0696/P696

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below)</i> IDS Citation		
<table border="1" style="width: 100%;"> <tr> <td style="width: 150px; height: 40px; vertical-align: top;">Remarks</td> <td></td> </tr> </table>			Remarks	
Remarks				

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Thomas J. D'Amico, Reg. No.: 28,371
Signature	
Date	December 16, 2003

Appendix A only as a tool by which to better categorize the documents for substantive use in examining the claims of the application.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98 and the Examiner is respectfully requested to consider and cite the listed documents.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0696/P696. A duplicate copy of this paper is enclosed.

Dated: December ¹⁶~~9~~, 2003

Respectfully submitted,

By 

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Docket No.: M4065.0696/P696
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
John T. Moore

Confirmation No. 6082

Application No.: 09/921,518

Group Art Unit: 2818

Filed: August 1, 2001

Examiner: Phuc T. Dang

For: METHOD OF FORMING INTEGRATED
CIRCUITRY, METHOD OF FORMING
MEMORY CIRCUITRY, AND METHOD
OF FORMING NON-VOLATILE
RANDOM ACCESS MEMORY
CIRCUITRY

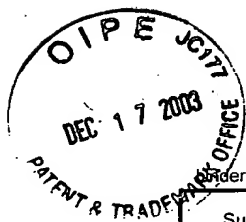
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached PTO/SB/08. It is respectfully requested that the subject matter of the documents be expressly considered during the prosecution of this application and that the documents be made of record therein and appear among the "References Cited" on any patent to issue from this application. A copy of each document is attached.

A brief explanation of relevance for some of the non-patent documents listed on form PTO/SB/08 is provided and attached hereto as Appendix A. The brief explanation provided for each document is not tantamount to an admission that a document is "material" or that it qualifies as prior art. The Examiner is respectfully requested to utilize



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/921,518	Conf.#6082
Filing Date	August 1, 2001	
First Named Inventor	John T. Moore	
Art Unit	2818	
Examiner Name	P. Dang	
Attorney Docket Number	M4065.0696/P696	

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	2002/0072188	6/13/2002	Gilton	
	AB	2002/0106849	08/08/2002	Moore	
	AC	2002/0123169	09/05/2002	Moore et al.	
	AD	2002/0123170	09/05/2002	Moore et al.	
	AE	2002/0123248	09/05/2002	Moore et al.	
	AF	2002/0127886	09/12/2002	Moore et al.	
	AG	2002/0132417	09/09/2002	Li	
	AH	2002/0160551	10/31/2002	Harshfield	
	AI	2002/0163828	11/07/2002	Krieger et al.	
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	AL	2002/0190289	12/19/2002	Harshfield et al.	
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	AS	2003/0038301	02/27/2003	Moore	
	AT	2003/0043631	03/06/2003	Gilton et al.	
	AU	2003/0045049	03/06/2003	Campbell et al.	
	AV	2003/0045054	03/06/2003	Campbell et al.	
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	AX	2003/0047772	03/13/2003	Li	
	AY	2003/0047773	03/13/2003	Li	
	AZ	2003/0048519	03/13/2003	Kozicki	
	AA1	2003/0049912	03/13/2003	Campbell et al.	
	AB1	2003/0068861	04/10/2003	Li	
	AC1	2003/0068862	04/10/2003	Li	
	AD1	2003/0095426	05/22/2003	Hush et al.	
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	AR1	4,316,946	1/1982	Masters, et al.	



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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
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				Filing Date	August 1, 2001	
				First Named Inventor	John T. Moore	
				Art Unit	2818	
				Examiner Name	P. Dang	
Sheet	2	of	3	Attorney Docket Number	M4065.0696/P696	

AS1	4,405,710	9/1983	Balasubramanyam et al.	
AT1	4,419,421	12/1983	Wichelhaus, et al.	
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AF2	5,814,527	9/29/1998	Wolstenholme et al	
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AK3	6,031,287	2/29/2000	Harshfield	
AL3	6,072,716	06/06/2000	Jacobson et al.	
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AT3				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					
/	BA	56126916		10/19981	Akira et al.		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



<div>Substitute for form 1449B/PTO</div> <div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div>(use as many sheets as necessary)</div>		Complete if Known			
		Application Number	09/921,518 Conf.#6082		
		Filing Date	August 1, 2001		
		First Named Inventor	John T. Moore		
		Group Art Unit	2818		
		Examiner Name	P. Dang		
Sheet	3	of	3	Attorney Docket Number	M4065.0696/P696

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	CA	Axon Technologies Corporation, TECHNOLOGY DESCRIPTION: <i>Programmable Metalization Cell(PMC)</i> , pp. 1-6 (Pre-May 2000).	
✓	CB	El Bouchairi, B.; Bernede, J.C.; Burgaud, P., Properties of Ag ₂ -xSe ₁ +x/n-Si diodes, Thin Solid Films 110 (1983) 107-113.	
✓	CC	Hirose et al., <i>High Speed Memory Behavior and Reliability of an Amorphous As₂S₃ Film Doped Ag</i> , PHYS. STAT. SOL. (a) 61, pp. 87-90 (1980).	
✓	CD	Holmquist et al., <i>Reaction and Diffusion in Silver-Arsenic Chalcogenide Glass Systems</i> , 62 J. AMER. CERAM. SOC., No. 3-4, pp. 183-188 (March-April 1979).	
✓	CE	Kolobov et al., Photodoping of amorphous chalcogenides by metals, Advances in Physics, 1991, Vol. 40, No. 5, pgs. 625-684.	
✓	CF	Kozicki et al., Silver incorporation in thin films of selenium rich Ge-Se glasses, International Congress on Glass, Volume 2, Extended Abstracts, July 2001, pgs. 8-9.	
✓	CG	Michael N. Kozicki, 1. Programmable Metallization Cell Technology Description, February 18, 2000	
✓	CH	Michael N. Kozicki, Axon Technologies Corp. and Arizona State University, Presentation to Micron Technology, Inc., April 6, 2000	
✓	CI	Kozicki et al., Applications of Programmable Resistance Changes In Metal-Doped Chalcogenides, Electrochemical Society Proceedings, Volume 99-13, 1999, pgs. 298-309.	
✓	CK	Kozicki et al., Nanoscale effects in devices based on chalcogenide solid solutions, Superlattices and Microstructures, Vol. 27, No. 516, 2000, pgs. 485-488.	
✓	CL	Kozicki et al., Nanoscale phase separation in Ag-Ge-Se glasses, Microelectronic Engineering 63 (2002) pgs 155-159.	
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✓	CN	West, W.C., Electrically erasable non-volatile memory via electrochemical deposition of multifractal aggregates, Ph.D. Dissertation, ASU 1998	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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